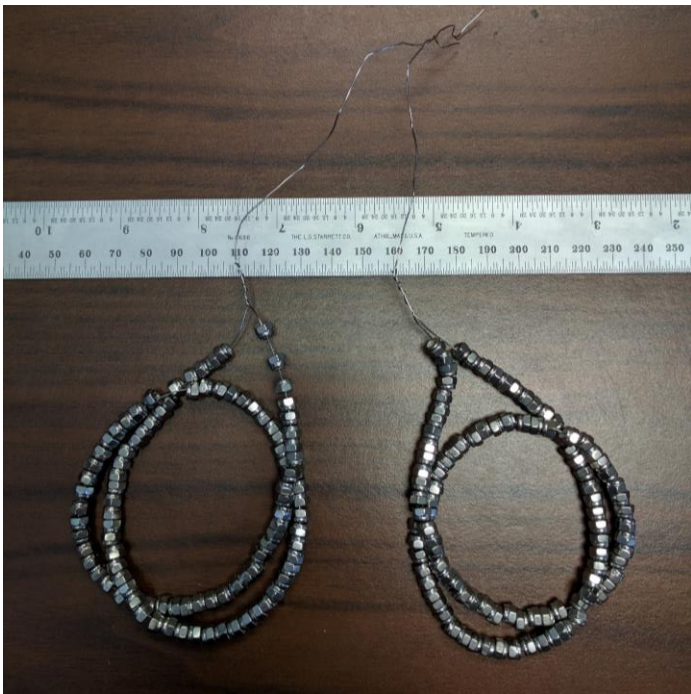
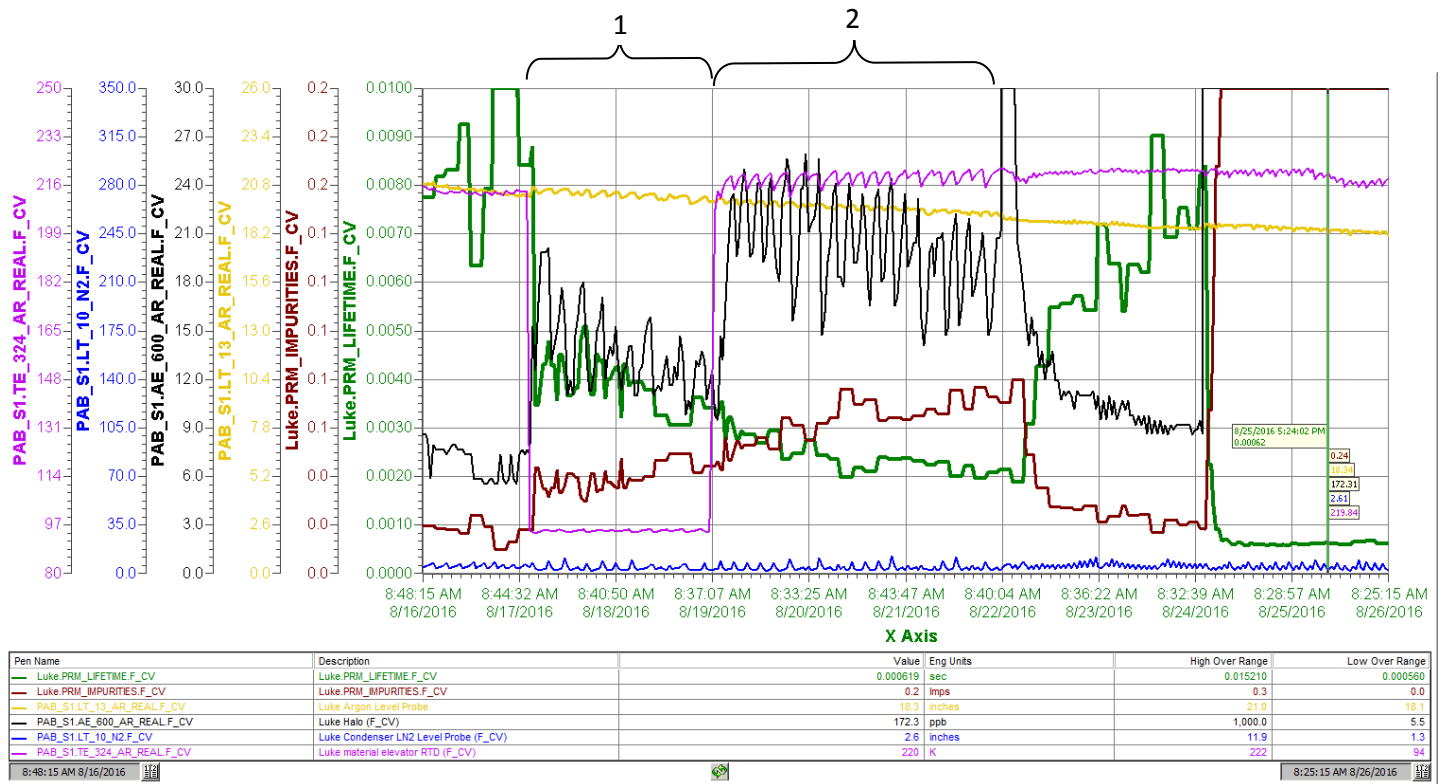


Nylon insert locknuts 8/16/2016 – 8/26/2016

<i>PAB Materials Test System</i>	
Date of Receipt	8/26/16 , logbook entry # 5305
Sample Name/Description	200 x Nylon Insert Locknuts
Sample	
Composition:	Metal/Polymeric
Picture Location:	data base
Weight:	90 g
Dimensions/Area:	length approx. 4 x 3 mm
Source:	Hucheng Chen, Brookhaven
Preparation:	dry clean
Submerging in LAr or LH2	x
Time in the airlock(hrs)	
Vacuum:	
Purge	24 hours with gas Argon from Luke
Liquid Test	
Start Time/Date, End Time/Date :	8/17/2016 11:45 AM , 8/19/2016 8:35 AM
PrM run # :	28739
Condenser state:	on
Filter state/settings:	off
H2O reading:	10-12 ppb
Temperature:	95 K
Liquid Level	20 inches
Lifetime:	3.5 ms
VaporTest	
Start Time/Date, End Time/Date :	8/19/2016 8:35 AM, 8/22/2016 8:40 AM
PrM run # :	28770
Condenser state:	on
Filter state/settings:	off
H2O reading:	20-24 ppb
Temperature:	220 K
Liquid Level	19.4 inches
Lifetime:	2 ms
Room Temperature Test	
Start Time/Date, End Time/Date :	8/24/2016 10:40 AM, 8/26/2016 8:30 AM
PrM run # :	28818
Condenser state:	on
Filter state/settings:	off
H2O reading:	140-160 ppb
Temperature:	room
Liquid Level	18 inches
Lifetime:	0.6 ms



1. Liquid Test
2. Vapor Test



Lifetime – green pen

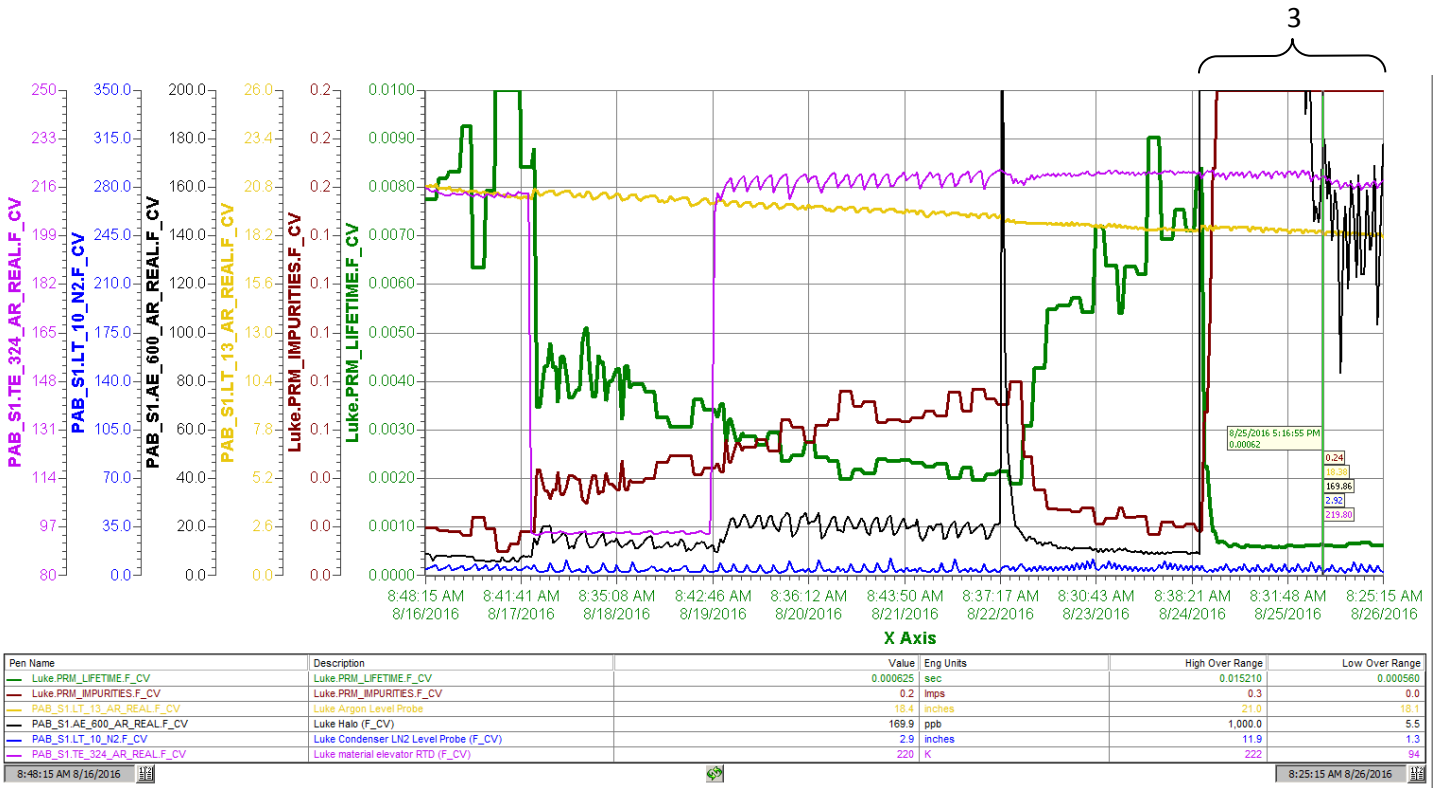
Impurities – brown pen

Liquid level – yellow pen

Water – black pen

Temperature – magenta pen

3. Room temperature test



Note: first and second plot are different only in the water concentration scale